

L2 ANSWER 38 OF 267 CA COPYRIGHT 2004 ACS on STN
 AN 136:169236 CA
 ED Entered STN: 07 Mar 2002
 TI Process for sizing paper by adding anionic or cationic sizing dispersion
 and sizing promoter
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 PA Akzo Nobel N.V., Neth.; Eka Chemicals AB
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM D21H021-16
 ICS D21H023-76
 CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)
 FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002012623	A1	20020214	WO 2001-SE1699	20010802
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	EP 1309756	A1	20030514	EP 2001-958739	20010802
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2002012623	ICM	D21H021-16
	ICS	D21H023-76
JP 2004514796	FTERM	4L055/AG18; 4L055/AG34; 4L055/AG35; 4L055/AG36; 4L055/AG40; 4L055/AG41; 4L055/AG43; 4L055/AG44; 4L055/AG48; 4L055/AG98; 4L055/AH09; 4L055/AH11; 4L055/AH12; 4L055/AH33; 4L055/AH50; 4L055/BD10; 4L055/EA30; 4L055/EA32; 4L055/EA34; 4L055/FA17; 4L055/FA22

AB The process for sizing paper comprises adding to an aq. suspension contg. cellulose fibers (e.g., bleached birch/pine sulfate pulp), and optional fillers (e.g., calcium carbonate), (i) an anionic or cationic sizing dispersion [e.g., alkyl ketone dimer, condensed naphthalenesulfonate and di(hydrogenated tallow)dimethylammonium chloride], and (ii) a sizing promoter contg. a cationic org. polymer having .gtoreq.1 arom. group and an anionic polymer with .gtoreq.1 arom.

group contg. a step-growth polymer, a polysaccharide or a naturally occurring arom. polymer [e.g., Tamol (condensed naphthalenesulfonate) and cationic starch]; forming and draining the obtained suspension, wherein the sizing dispersion and sizing promoter are added sep. to the aq. suspension.

ST alkyl ketene dimer paper sizing agent; hydrogenated tallow

~~dimethylammonium-chloride-sizing-paper; naphthalenesulfonate polymer~~
dispersion sizing paper; cationic starch sizing promoter paper

IT Polyelectrolytes

(anionic; process for sizing paper by adding anionic or cationic sizing dispersion and sizing promoter)

IT Quaternary ammonium compounds, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(bis(hydrogenated tallow alkyl)dimethyl,